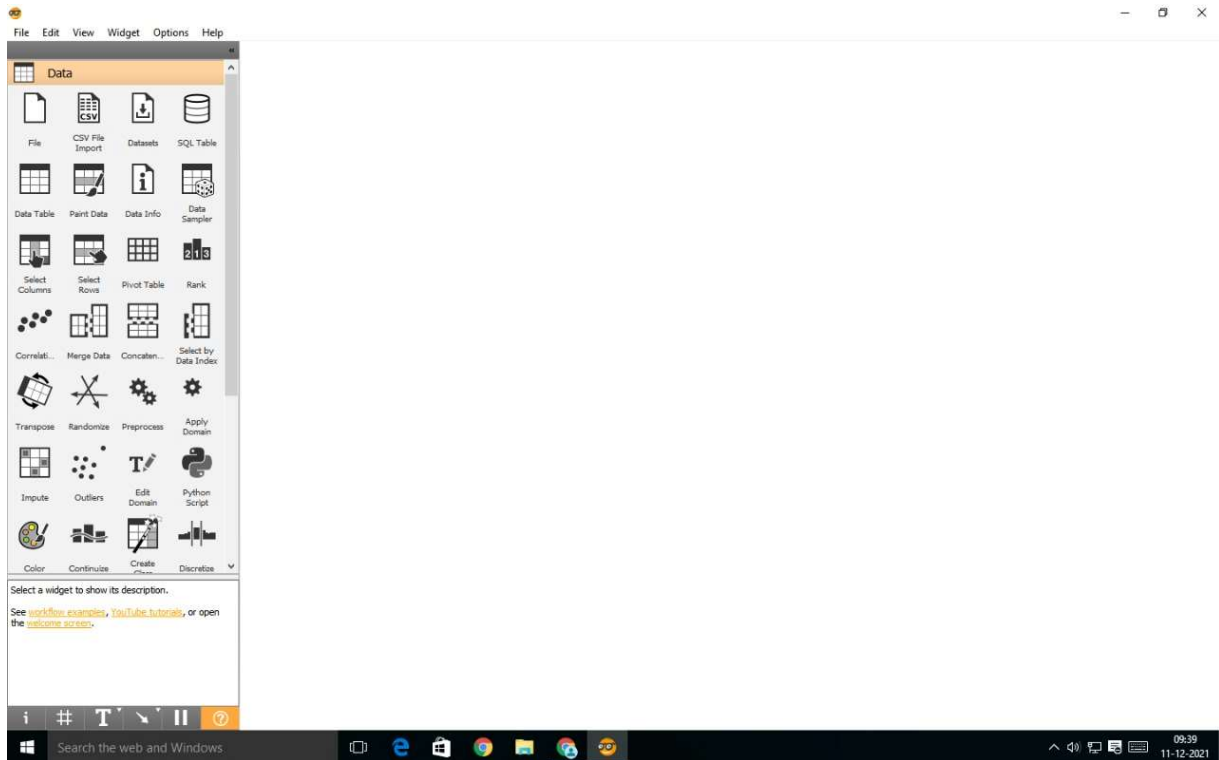
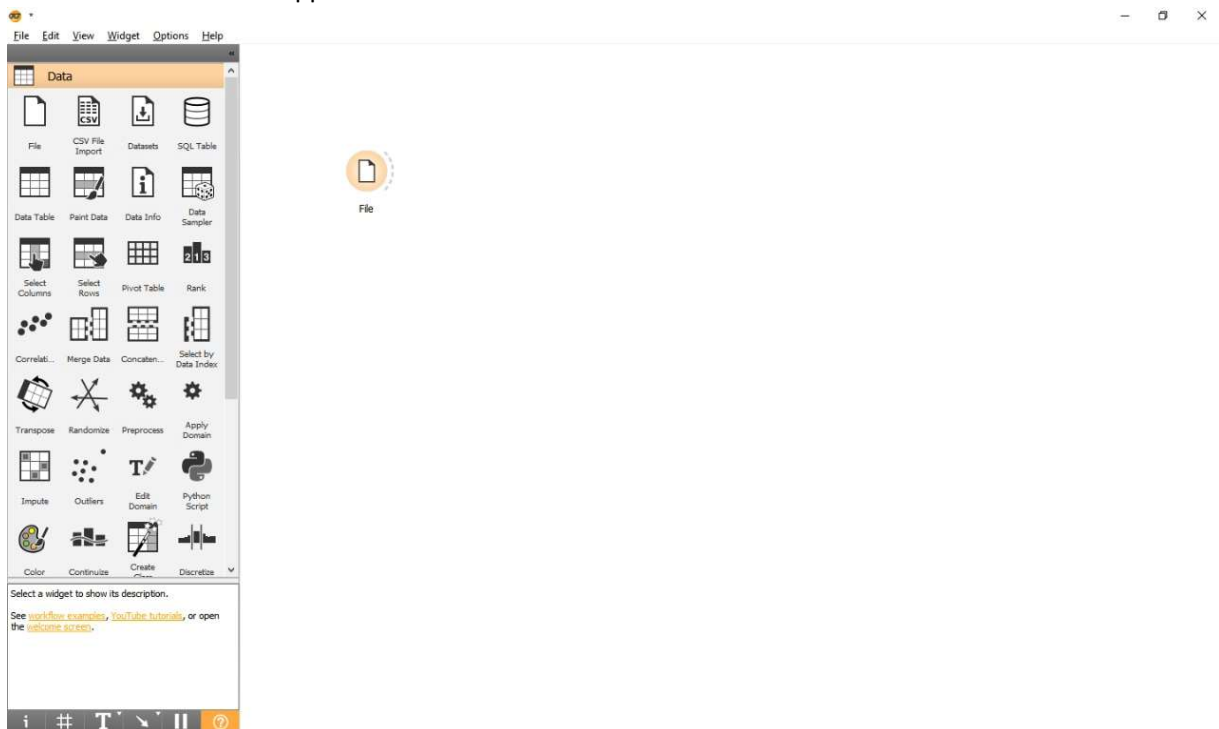


Clustering

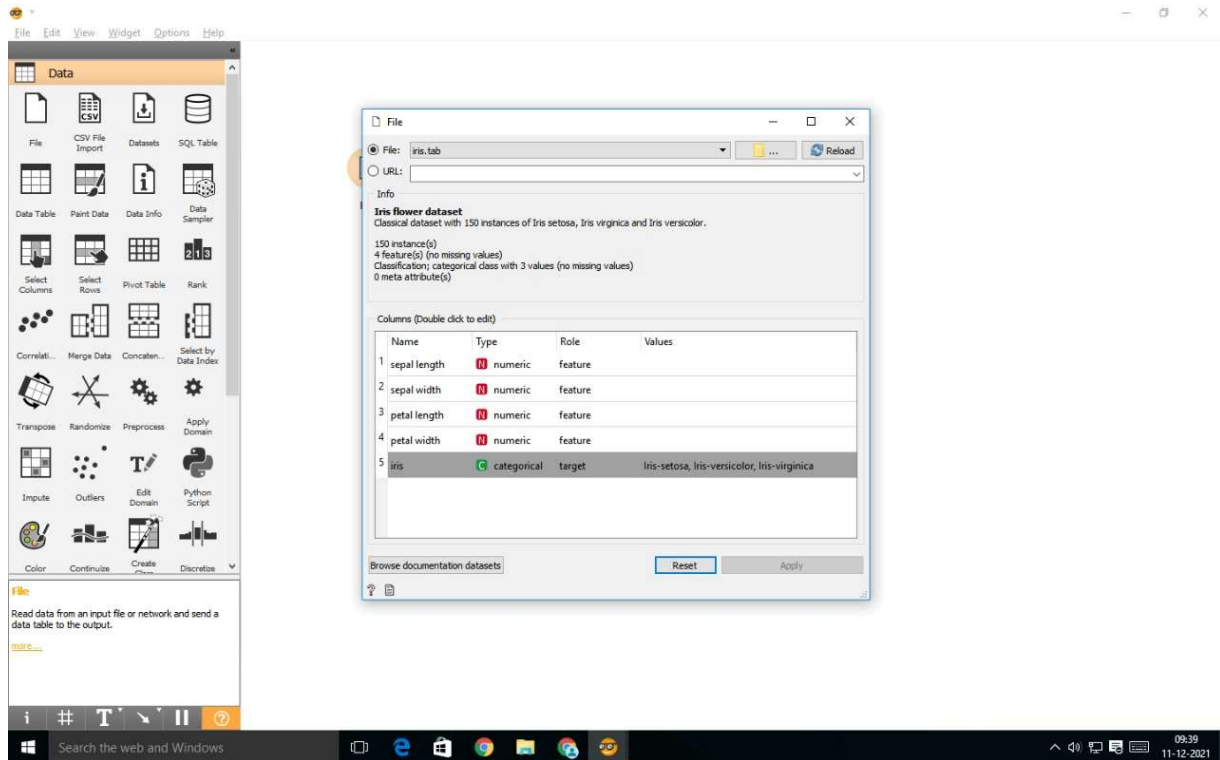
Open Orange Application. Select File from Data.



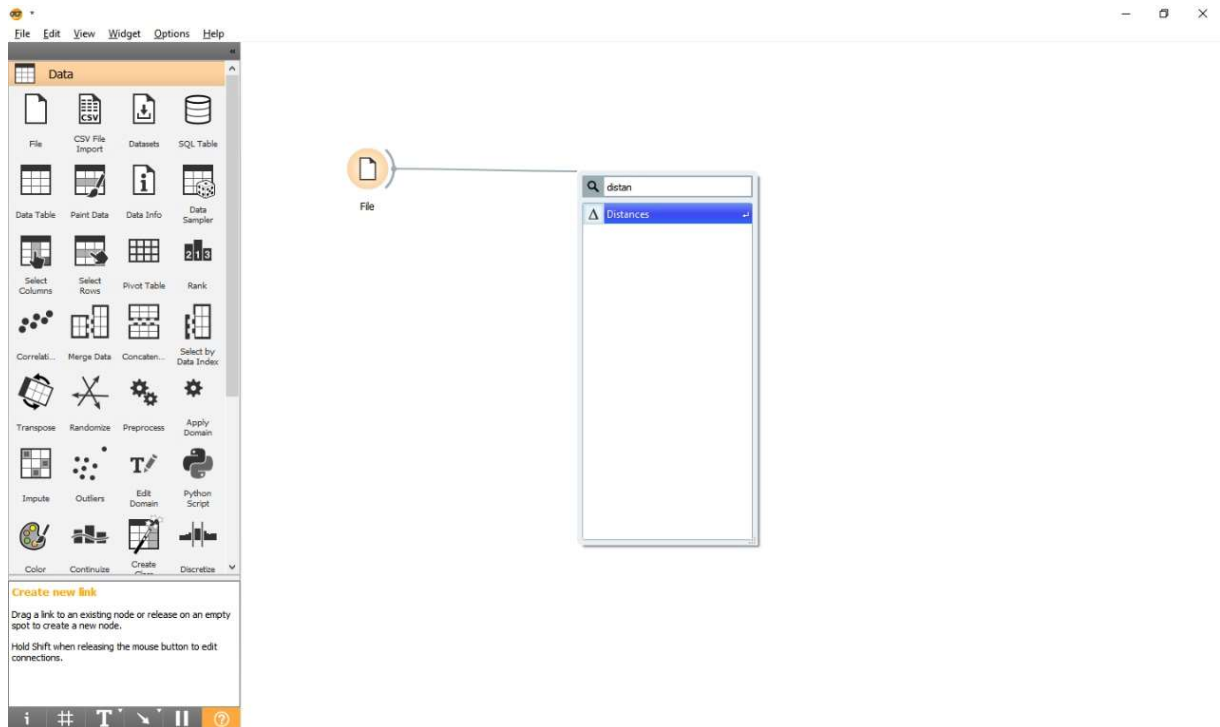
Double Click on the file appeared in the screen.



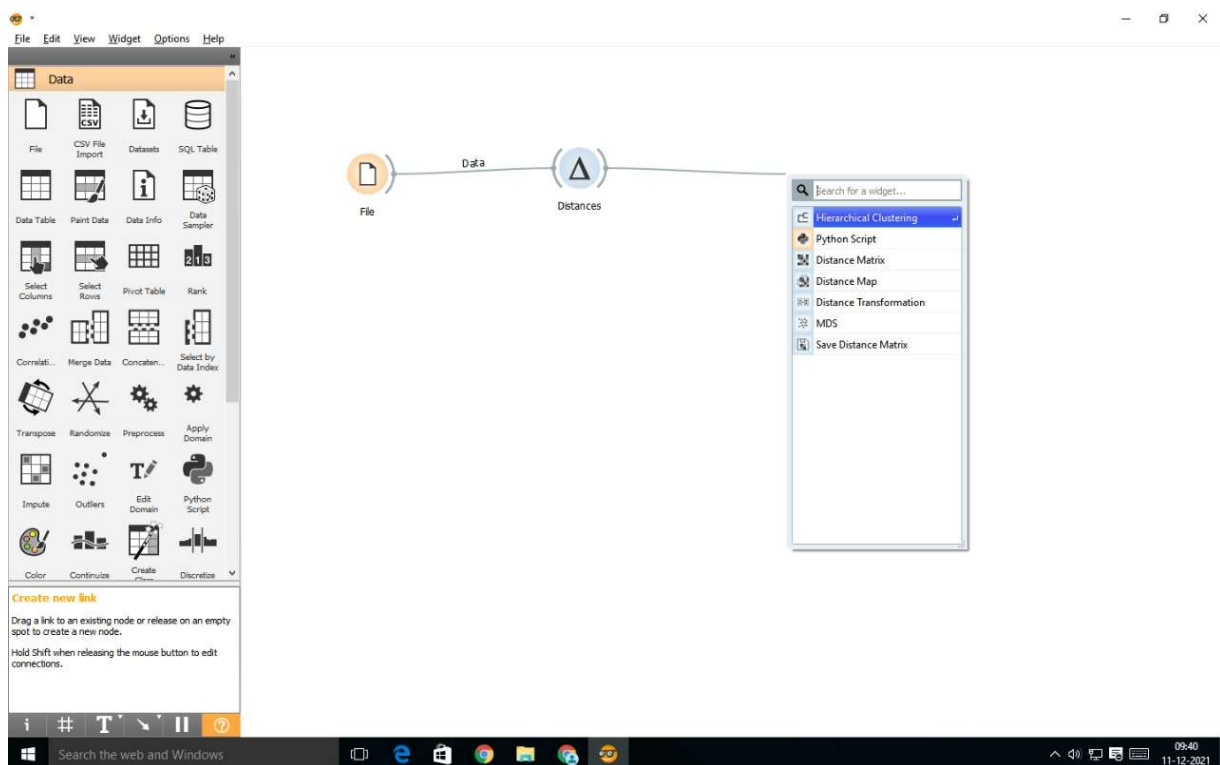
A dialogue box will appear select iris.tab and close the dialogue box.



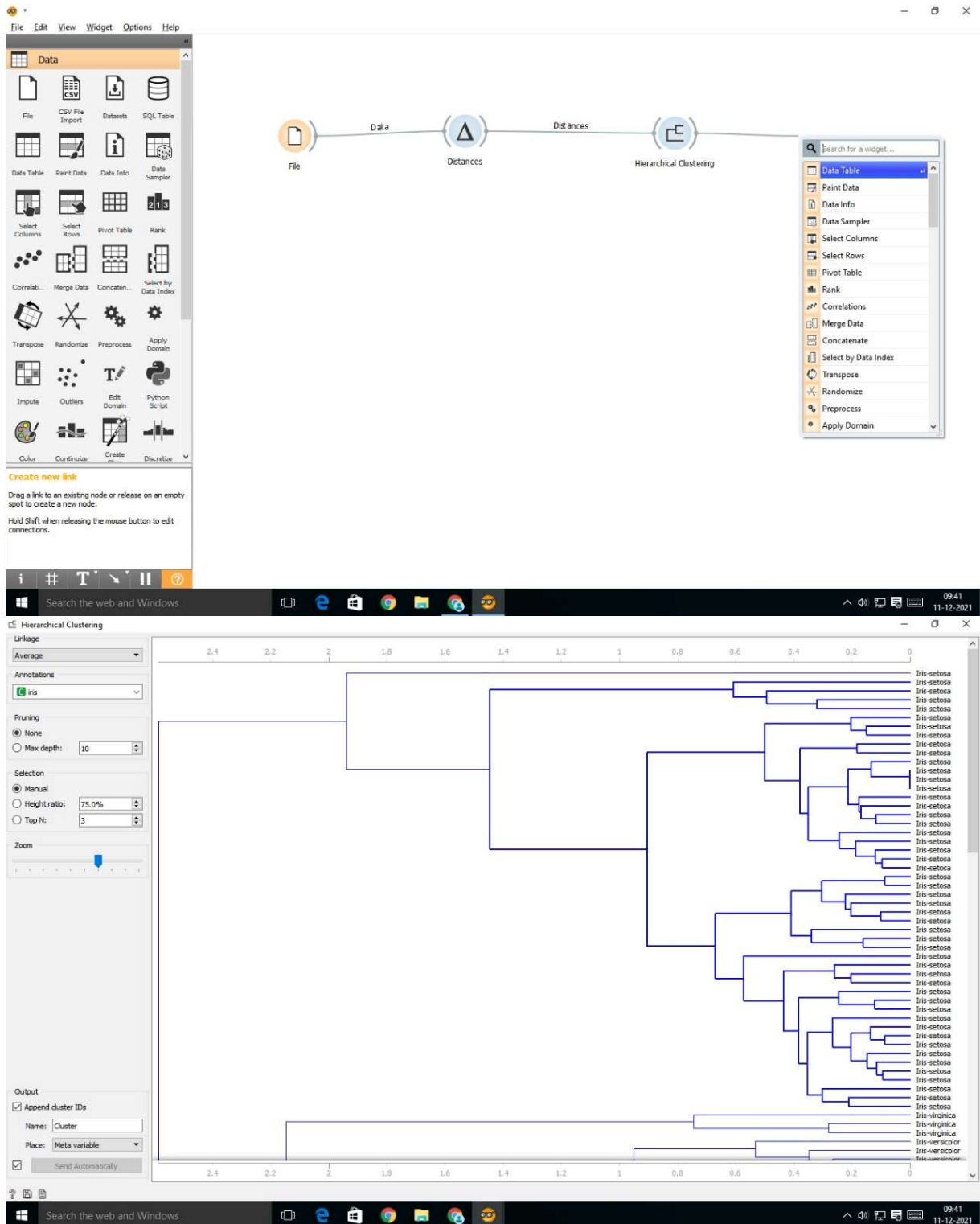
Click on the dashed line on right side of the file and drag the mouse and select Distance from the list.



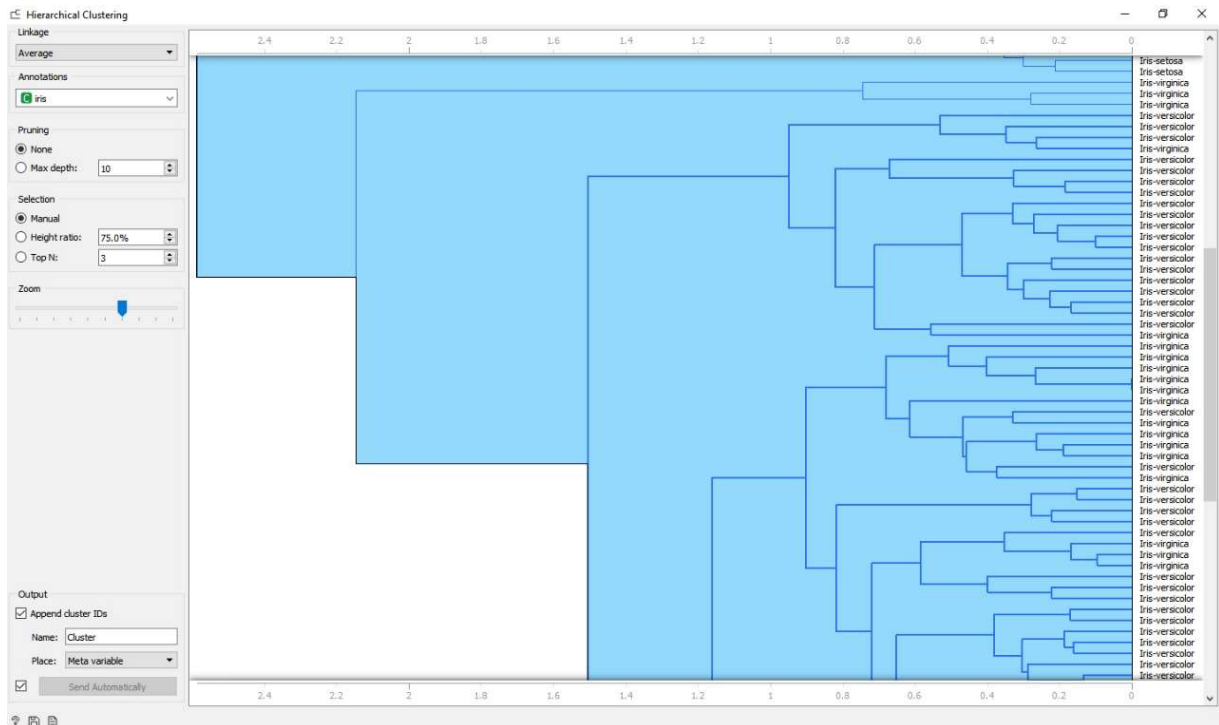
Follow the same procedure from Distance and Select Hierarchical Clustering.



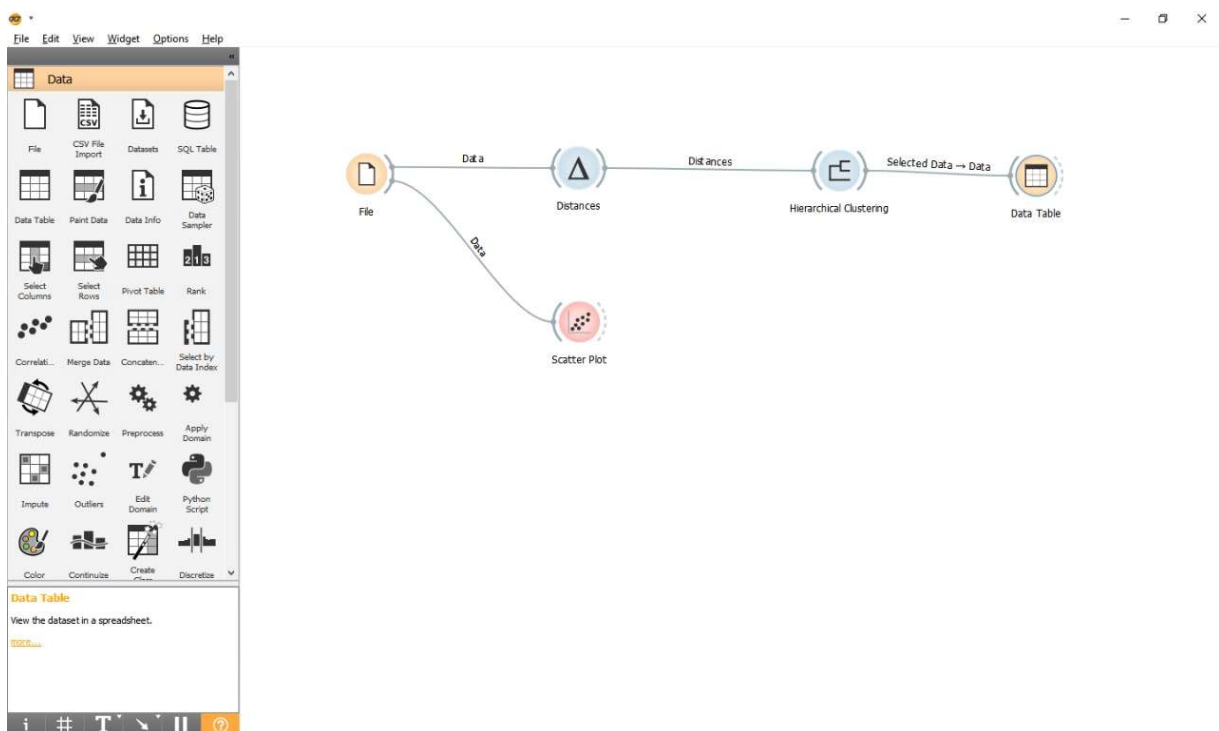
Double click on the hierarchical clustering a dialogue box appears.



Now select the sub cluster as shown in below.



Now click on hierarchical clustering and select data table.



Double click on it and the following table will appear.

Data Table

Info
 150 instances (no missing values)
 4 features (no missing values)
 Discrete class with 3 values (no missing values)
 1 meta attribute (no missing values)

Variables
☒ Show variable labels (if present)
☐ Visualize numeric values
☒ Color by instance classes

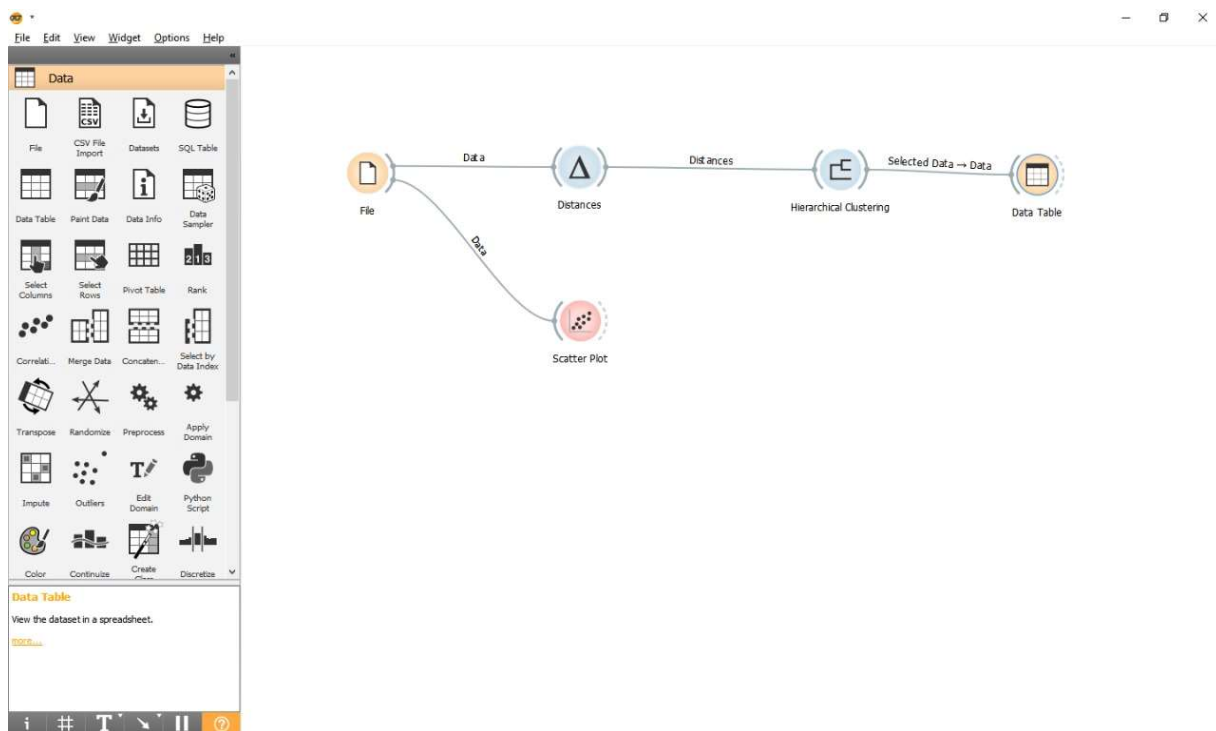
Selection
☒ Select full rows

Restore Original Order

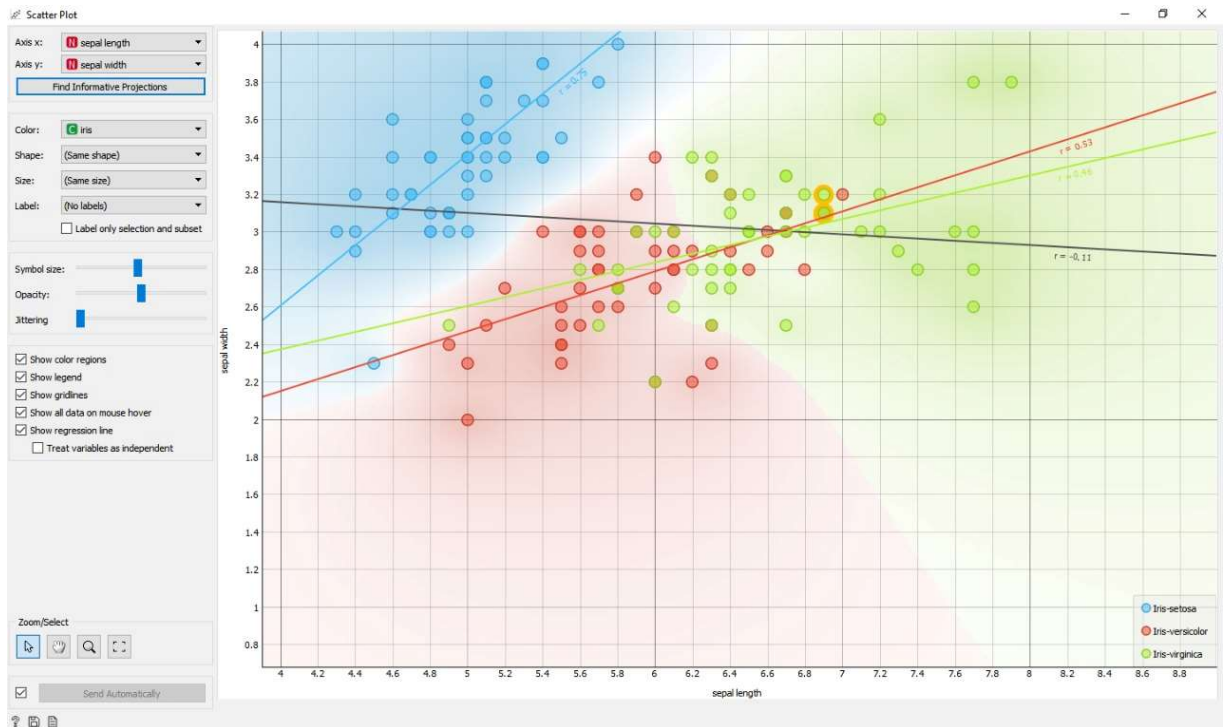
☒ Send Automatically

	iris	Cluster	sepal length	sepal width	petal length	pe ^
1	Iris-setosa	C1	5.1	3.5	1.4	
2	Iris-setosa	C1	4.9	3.0	1.4	
3	Iris-setosa	C1	4.7	3.2	1.3	
4	Iris-setosa	C1	4.6	3.1	1.5	
5	Iris-setosa	C1	5.0	3.6	1.4	
6	Iris-setosa	C1	5.4	3.9	1.7	
7	Iris-setosa	C1	4.6	3.4	1.4	
8	Iris-setosa	C1	5.0	3.4	1.5	
9	Iris-setosa	C1	4.4	2.9	1.4	
10	Iris-setosa	C1	4.9	3.1	1.5	
11	Iris-setosa	C1	5.4	3.7	1.5	
12	Iris-setosa	C1	4.8	3.4	1.6	
13	Iris-setosa	C1	4.8	3.0	1.4	
14	Iris-setosa	C1	4.3	3.0	1.1	
15	Iris-setosa	C1	5.8	4.0	1.2	
16	Iris-setosa	C1	5.7	4.4	1.5	
17	Iris-setosa	C1	5.4	3.9	1.3	
18	Iris-setosa	C1	5.1	3.5	1.4	
19	Iris-setosa	C1	5.7	3.8	1.7	
20	Iris-setosa	C1	5.1	3.8	1.5	
21	Iris-setosa	C1	5.4	3.4	1.7	
22	Iris-setosa	C1	5.1	3.7	1.5	

Now click on file and select Scatter plot.

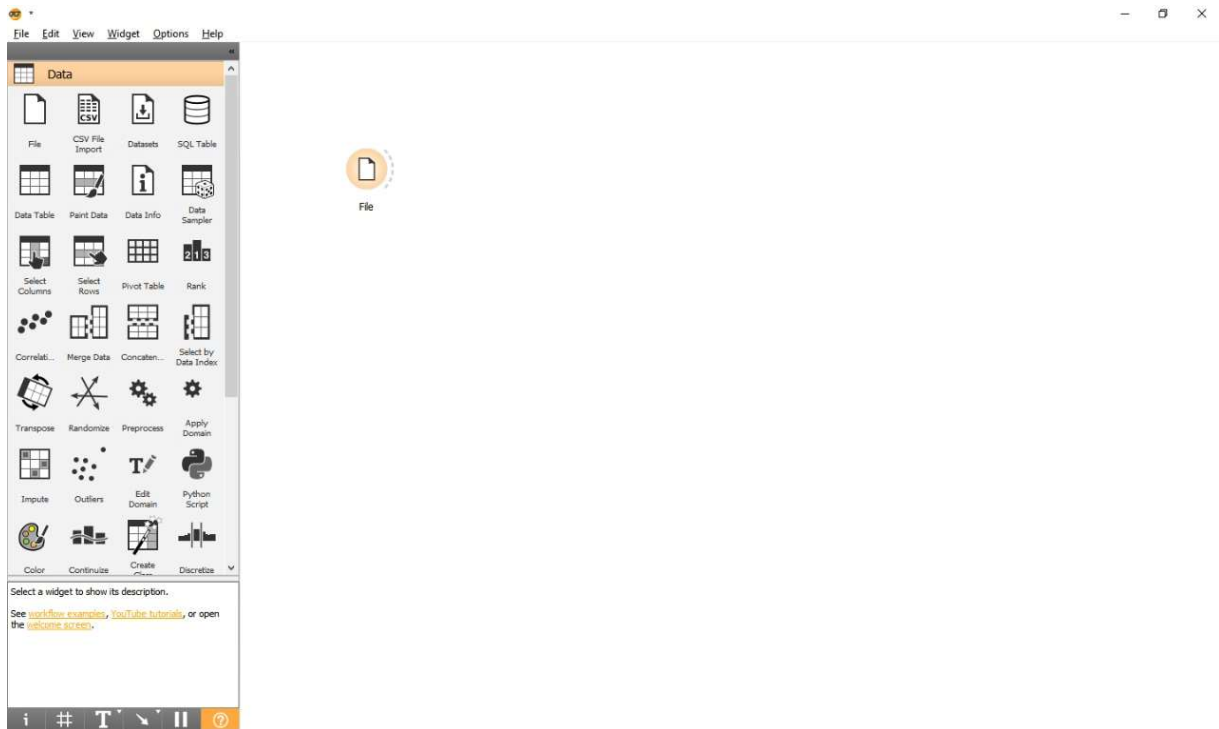
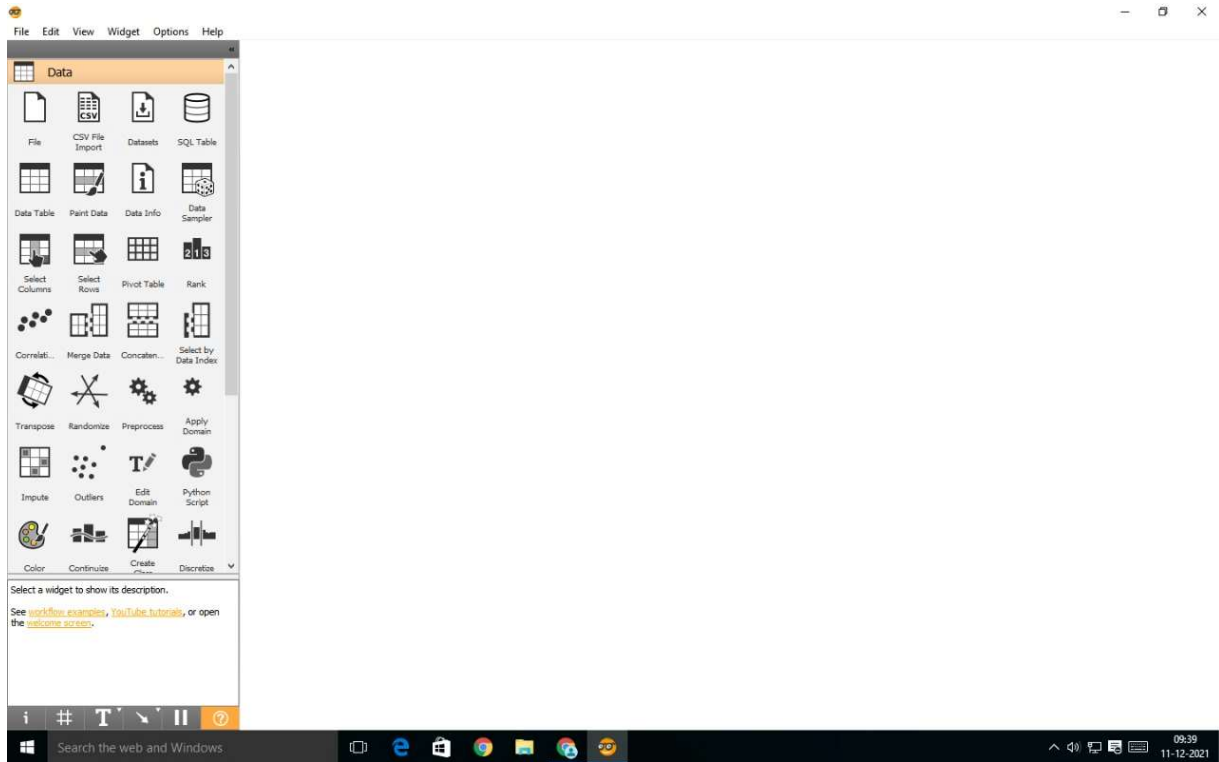


By double clicking on the dialogue box the following graph will be shown.



Classification.

Open Orange Application. Select File from Data.



Double Click on the file and select zoo.tab and close it.

File

☒ File: zoo.tab ☐ URL:

Info

Zoo dataset
This dataset consists of 101 animals with various traits to describe them.

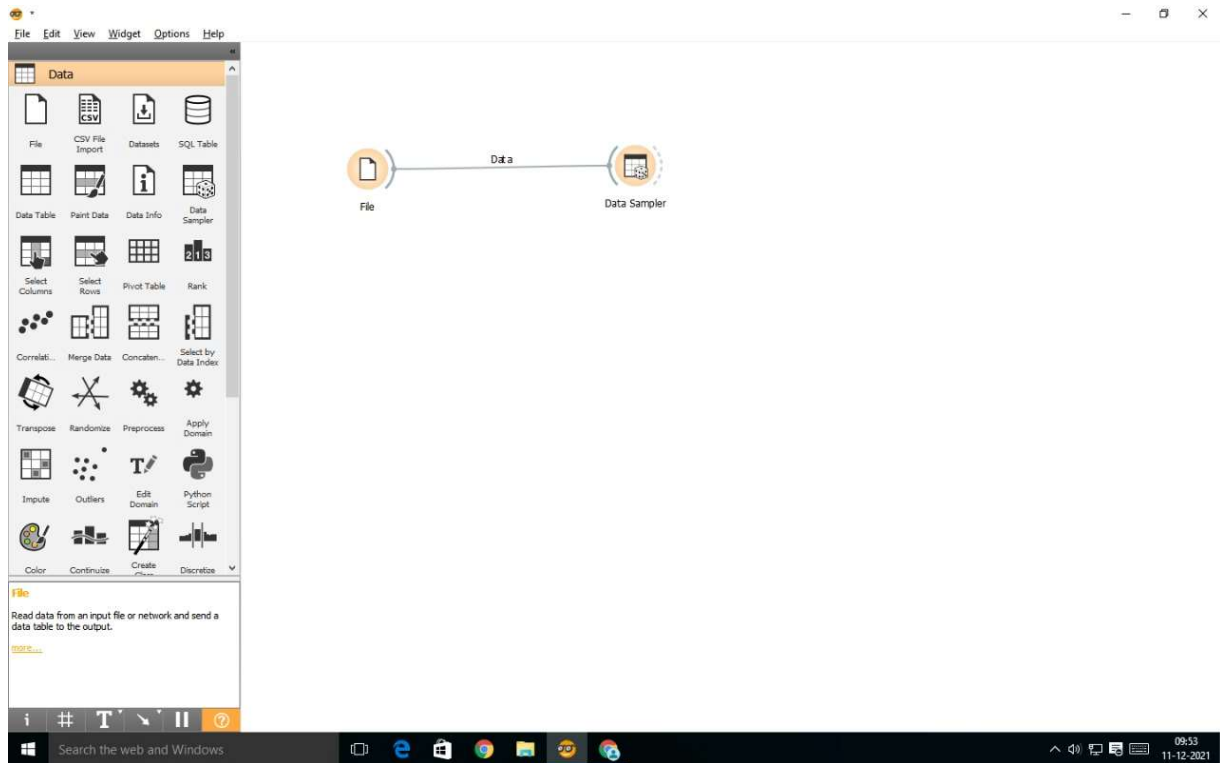
101 instance(s)
16 feature(s) (no missing values)
Classification; categorical class with 7 values (no missing values)
1 meta attribute(s)

Columns (Double click to edit)

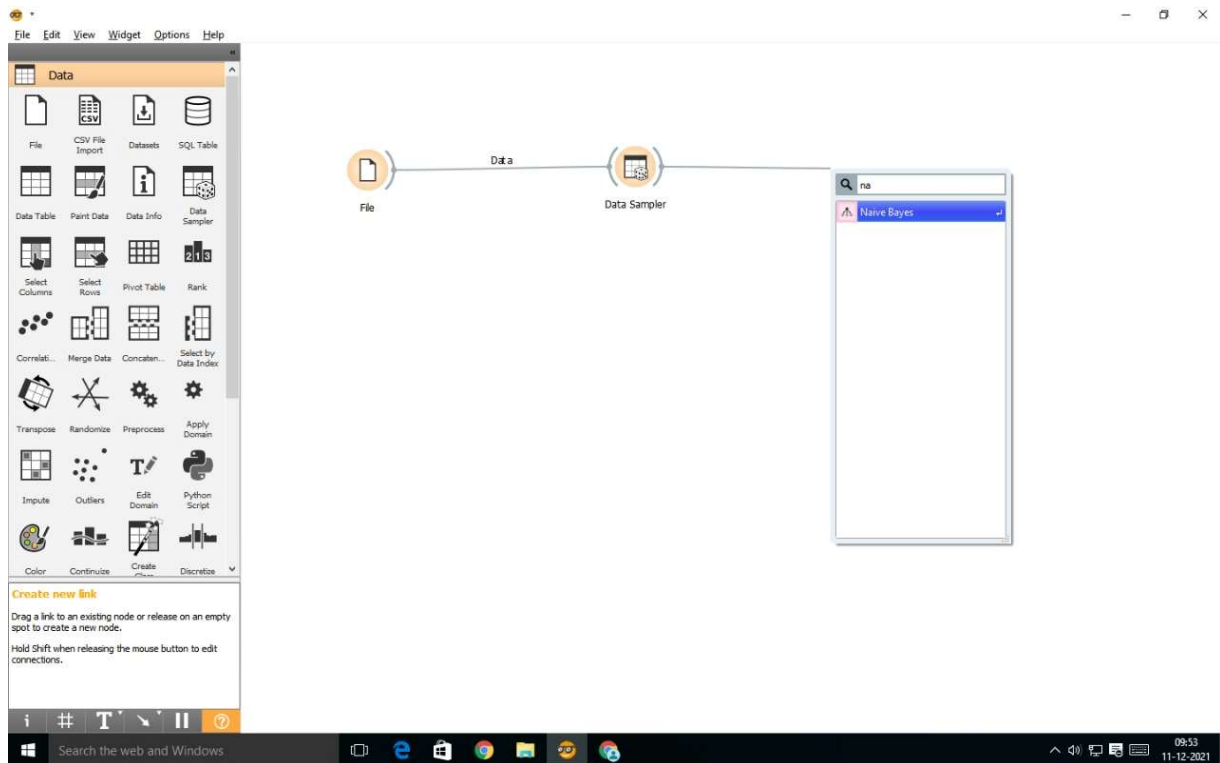
	Name	Type	Role	Values
1	hair	C categorical	feature	0, 1
2	feathers	C categorical	feature	0, 1
3	eggs	C categorical	feature	0, 1
4	milk	C categorical	feature	0, 1
5	airborne	C categorical	feature	0, 1
6	aquatic	C categorical	feature	0, 1
7	predator	C categorical	feature	0, 1

Browse documentation datasets

Select the file and drag the cursor and select data sampler from the list.



Select Naïve Bayes, Tree and Prediction from the list similar to data sampler.



File Edit View Widget Options Help

Data

File CSV File Import Datasets SQL Table

Data Table Paint Data Data Info Data Sampler

Select Columns Select Rows Pivot Table Rank

Correlati... Merge Data Concaten... Select by Data Index

Transpose Randomize Preprocess Apply Domain

Impute Outliers Edit Domain Python Script

Color Continue Create Discretize

Select a widget to show its description.
See [workflow examples](#), [YouTube tutorials](#), or open the [welcome screen](#).

File Data Data Sampler Data Sample → Data Naive Bayes

Search the web and Windows

09:53 11-12-2021

File Edit View Widget Options Help

Data

File CSV File Import Datasets SQL Table

Data Table Paint Data Data Info Data Sampler

Select Columns Select Rows Pivot Table Rank

Correlati... Merge Data Concaten... Select by Data Index

Transpose Randomize Preprocess Apply Domain

Impute Outliers Edit Domain Python Script

Color Continue Create Discretize

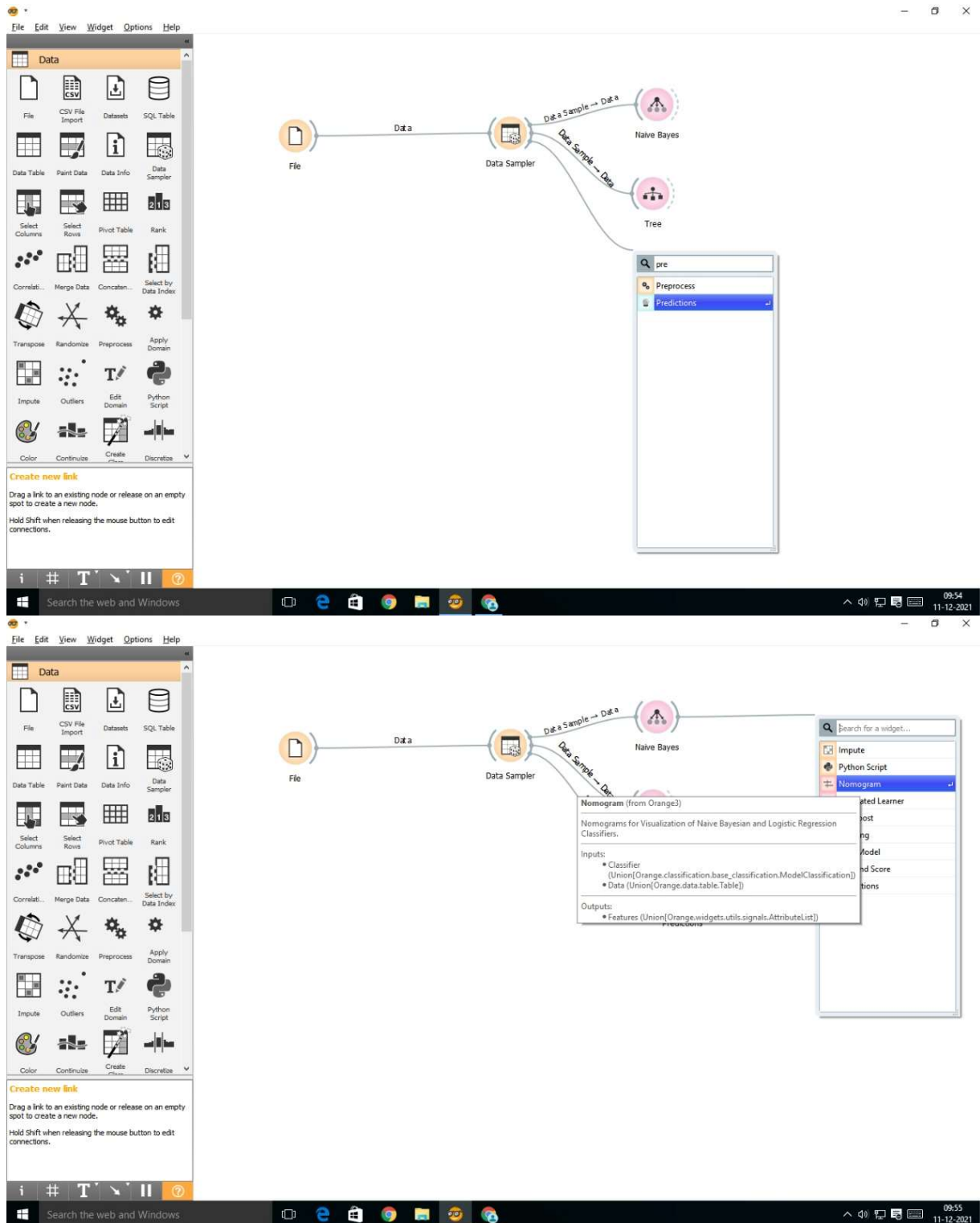
Create new link
Drag a link to an existing node or release on an empty spot to create a new node.
Hold Shift when releasing the mouse button to edit connections.

File Data Data Sampler Data Sample → Data Naive Bayes

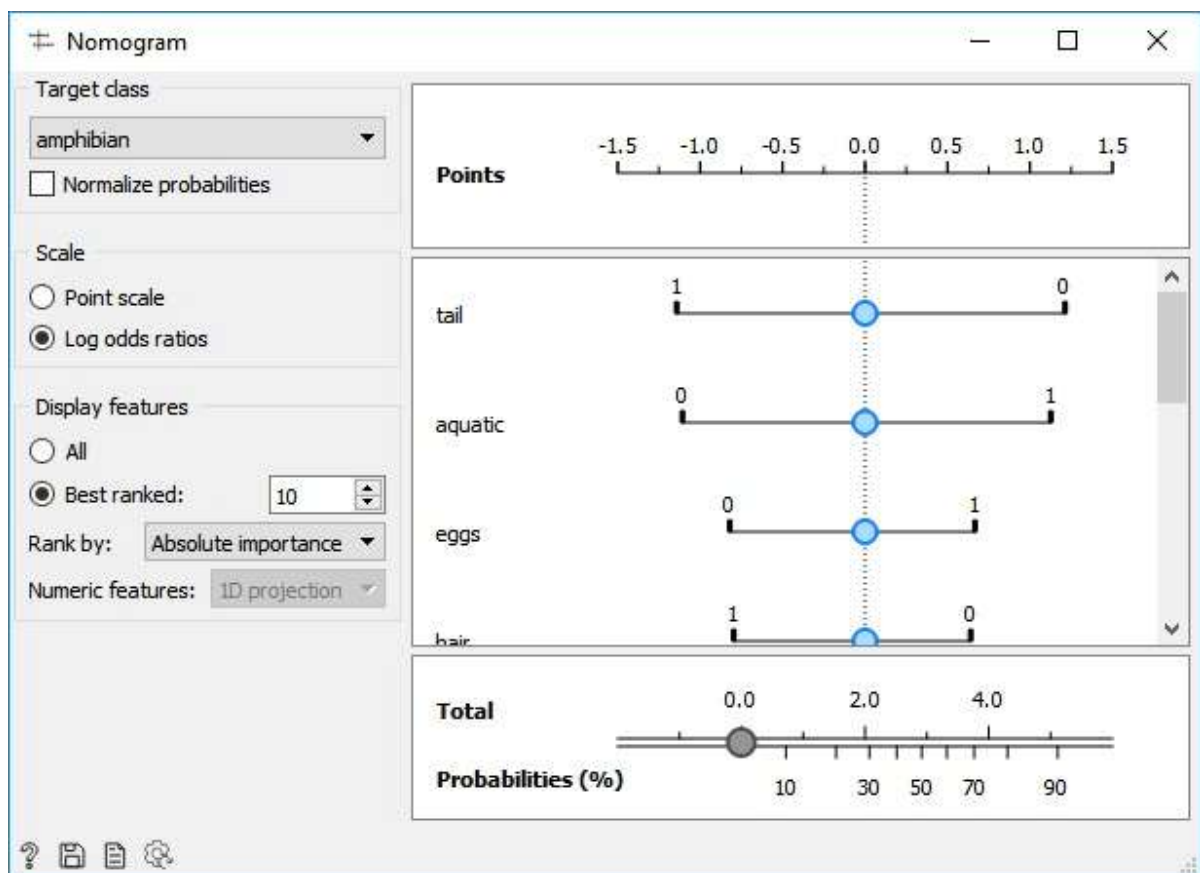
Tree

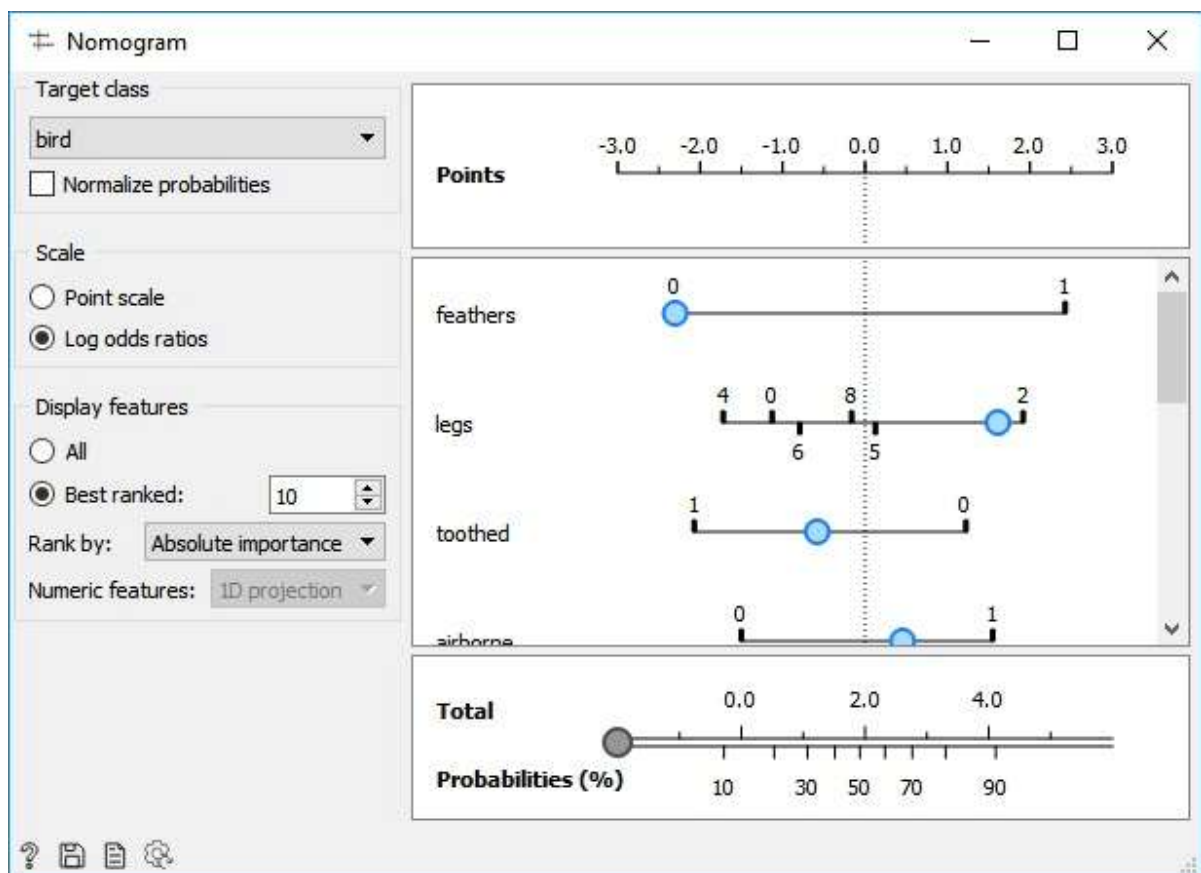
Search the web and Windows

09:54 11-12-2021

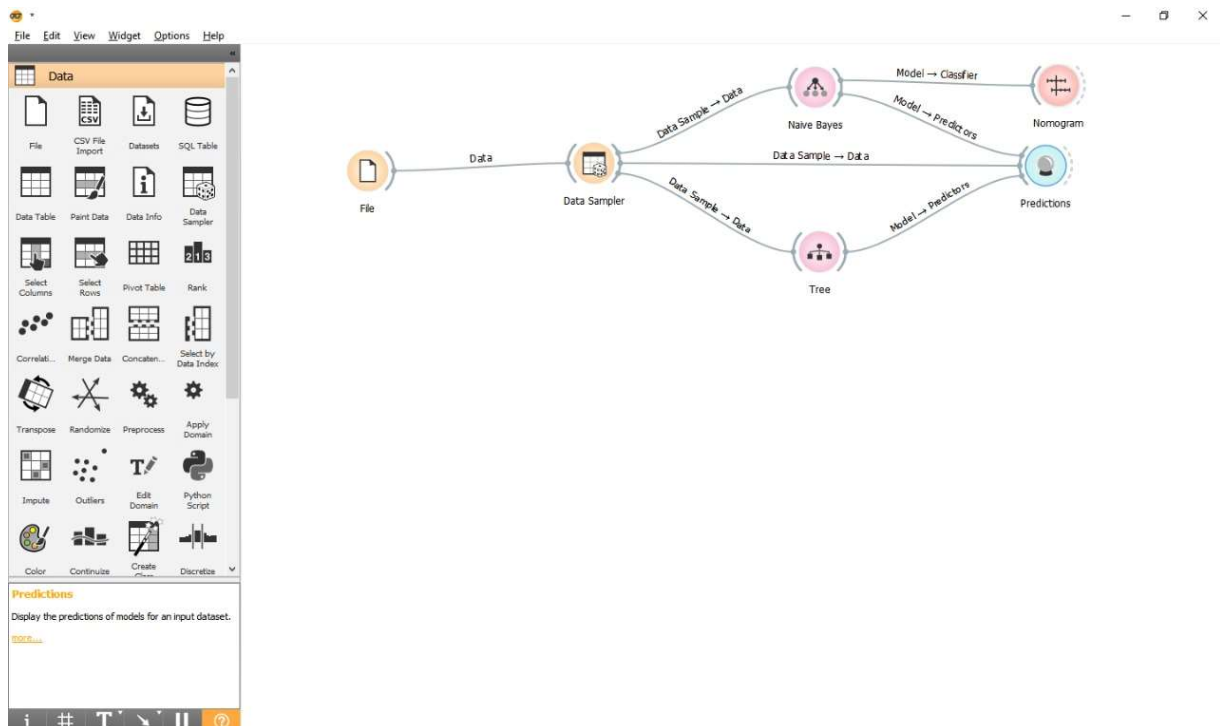


Double click on the nomogram and the following dialogue box will appear.

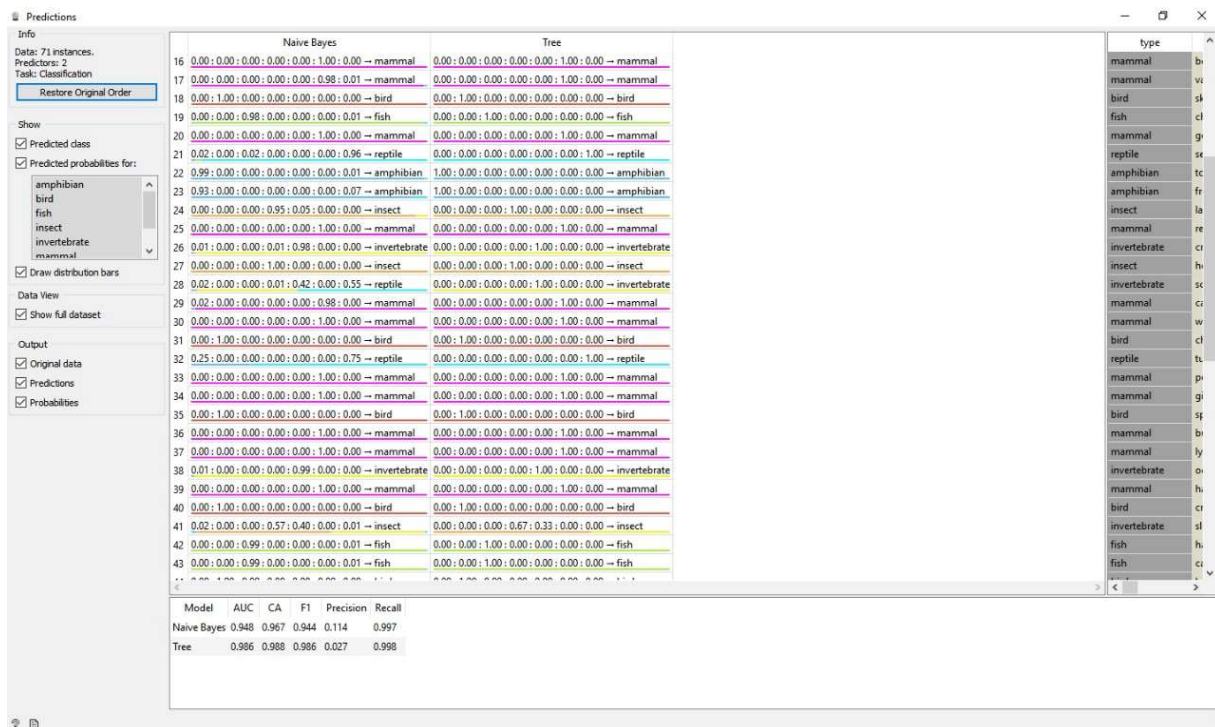




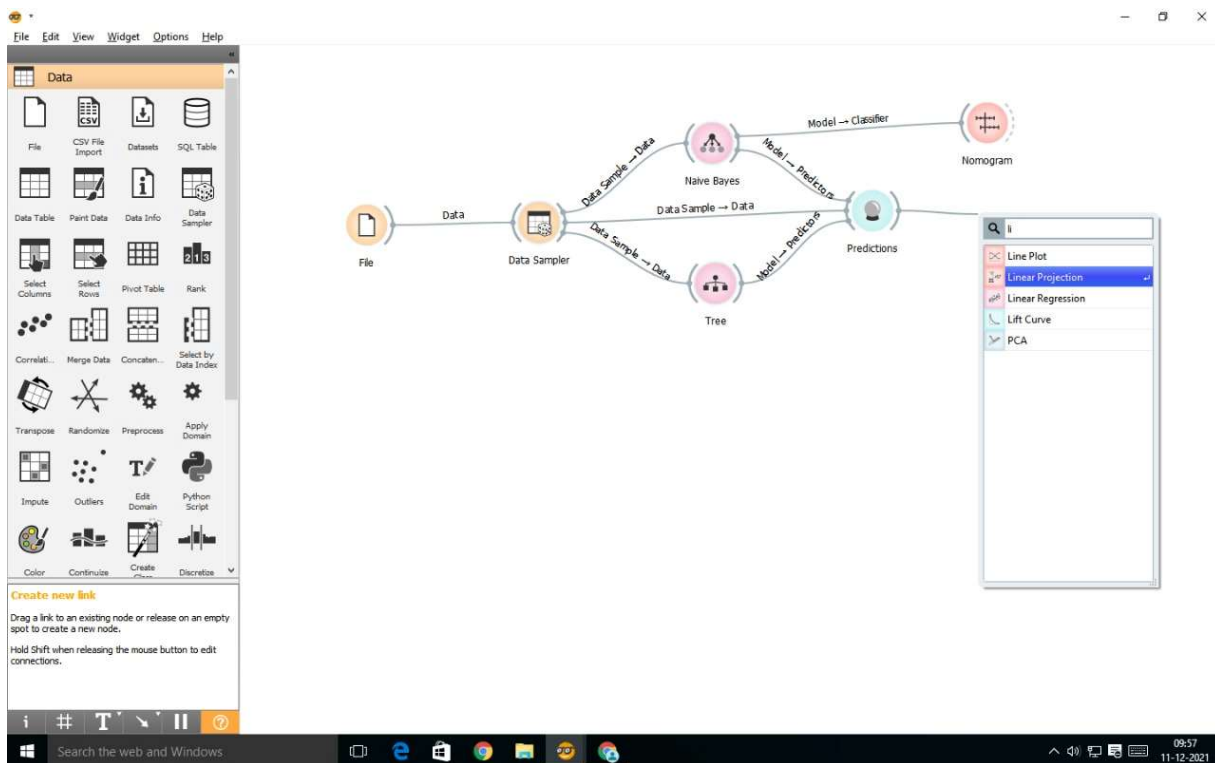
Connect Naïve Bayes and Tree with Prediction.

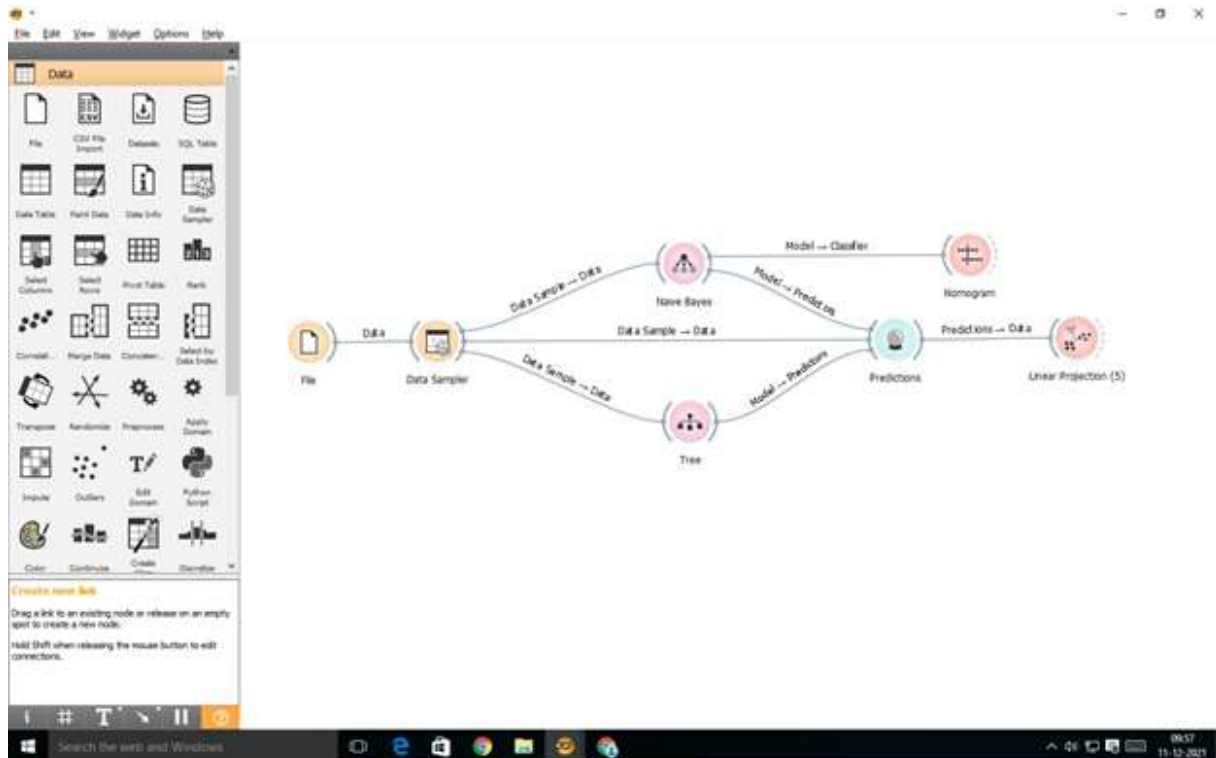


Double click on the prediction and following list will be displayed.



Afterwards select prediction and drag and create linear projection.





Double Click on Linear Projection and you can see the different classes of zoo animal.

